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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/748,015

12/30/2003

Christopher Cave

I-2-0432.1US

6510

24374

7590

09/16/2004

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EXAMINER

FERRIS, DERRICK W

ART UNIT

PAPER NUMBER

2663

DATE MAILED: 09/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/748,015

Applicant(s)

CAVE ET AL.

Examiner

Derrick W. Ferris

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. **Claims 1-10** are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,721,568 B1 to *Gustavsson et al.* (“*Gustavsson*”).

As to **claim 1**, a radio resource control unit is shown in figure 1 as controller 12 which is presented in greater detail in figure 3. As such, an air interface measurement unit for obtaining air interface measurements and a processing unit for processing said air interface measurements to provide an output are shown as data processor 50. A storage unit for storing said air interface measurements is shown as admission memory 52 also shown in greater detail in figure 4. In particular, admission memory 52 shows measured parameters (i.e., P1-Pn) which contain both actual measurements V1-Vn and predicted measurements V1-Vn and Vp1-Vpn. Examiner notes a reasonable but broad interpretation of predicted measurements in view of applicant’s specification and in particular applicant’s specification on page 6, paragraph 0029 which discloses that predicted measurements relate to the CAC algorithm such as interference and power. As such, *Gustavsson* discloses that measured values V1-Vn relate to CAC measurements since they include uplink interference received at a radio base station and/or downlink

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power sent by the radio base station, see e.g., column 4, lines 44-67. Furthermore, V_{p1} - V_{pn} are considered predicted measurements since the effect on a requested radio resource or recently allocated or de-allocated radio resource will likely have on the measurement value of the radio-related parameter is estimated or predicted, see e.g., column 5, line 62 – column 6, line 30 and column 3, lines 7-20.

As to **claim 2**, see rejection for claim 1 where V_1 - V_n are also actual measured values.

As to **claim 3**, the actual and predicted values are combined to see if the call should be allocated or de-allocated, see e.g., column 2, lines 55-59 and column 7, lines 17-28. Also see e.g., column 2, lines 55-59.

As to **claim 4**, the time-stamp is shown in figure 4 as either T_1 - T_n or T_{p1} - T_{pn} , see e.g., columns 5-6.

As to **claim 5**, see combined rejections for claims 1 and 4.

As to **claims 6-7**, the controller checks the aging of the parameter to see if the parameter is still valid, see e.g., column 6, lines 31-55.

As to **claim 8**, “old” predicted values are removed, overwritten, or ignored teaching a broad but reasonable interpretation of a validity indicator, see e.g., column 3, lines 7-20; column 6, lines 31-55; and column 7, lines 38-44.

As to **claim 9**, the measurement reports are considered baseline data and thus are a reasonable but broad interpretation of a default value, see e.g., column 3, lines 1-5.

As to **claim 10**, see similar rejection to claim 3.

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Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Derrick W. Ferris whose telephone number is (571) 272-3123. The examiner can normally be reached on M-F 9 A.M. - 4:30 P.M. E.S.T.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau Nguyen can be reached on (571) 272-3126. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Derrick W. Ferris
Examiner
Art Unit 2663


DWF


CHI PHAM
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800 9/13/09